

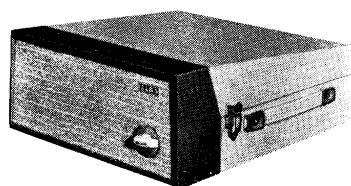
SERVICE



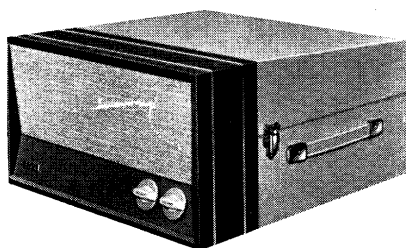
MANUAL

MODELS

990



991



996



GENERAL DESCRIPTION

Models 990, 991 and 996 are of metal-chassis construction. Model 990 is fitted with the B.S.R. type TU9 4-speed single-player unit; models 991 and 996 are fitted with the B.S.R. type UA14 4-speed changer unit. All three models are designed for operation from Mains supplies of 200-250v AC 50 cps. only. Voltage adjustment, on models 991 and 996, is by means of a plug-and-socket arrangement on the amplifier chassis. Model 990 does not require adjustment for differing Mains voltages.

Average voltage readings under no-signal conditions are indicated in circles at the appropriate points on the Circuit Diagrams.

REPLACEMENTS

Component

Part No.

Model 990:

| | | |
|---|-------|-------|
| B.S.R. type TU9 single-player | | — |
| OFF/VOL. knob | | I2573 |
| Volume Control (500K Log. with D.P. switch) | | I2583 |
| Output Transformer | | I1372 |
| Loudspeaker (5" round) | | I1323 |
| Rectifier (S.T.C. type C2D) | | I2060 |

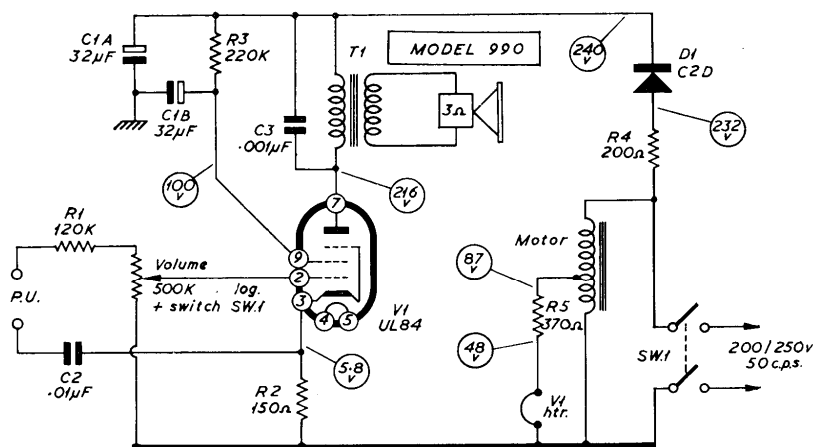
Model 991:

| | | |
|---|-------|-------|
| B.S.R. type UA14 4-speed changer unit | | — |
| OFF/VOL. knob | | I2573 |
| TONE knob | | I2574 |
| Tone Control (500K Inv. Log.) | | I2567 |
| Volume Control (500K Log. with D.P. switch) | | I2569 |
| Output Transformer | | I1411 |
| Loudspeaker (7" x 4" elliptical) | | I2581 |
| Rectifier (S.T.C. type C2D) | | I2060 |

Model 996:

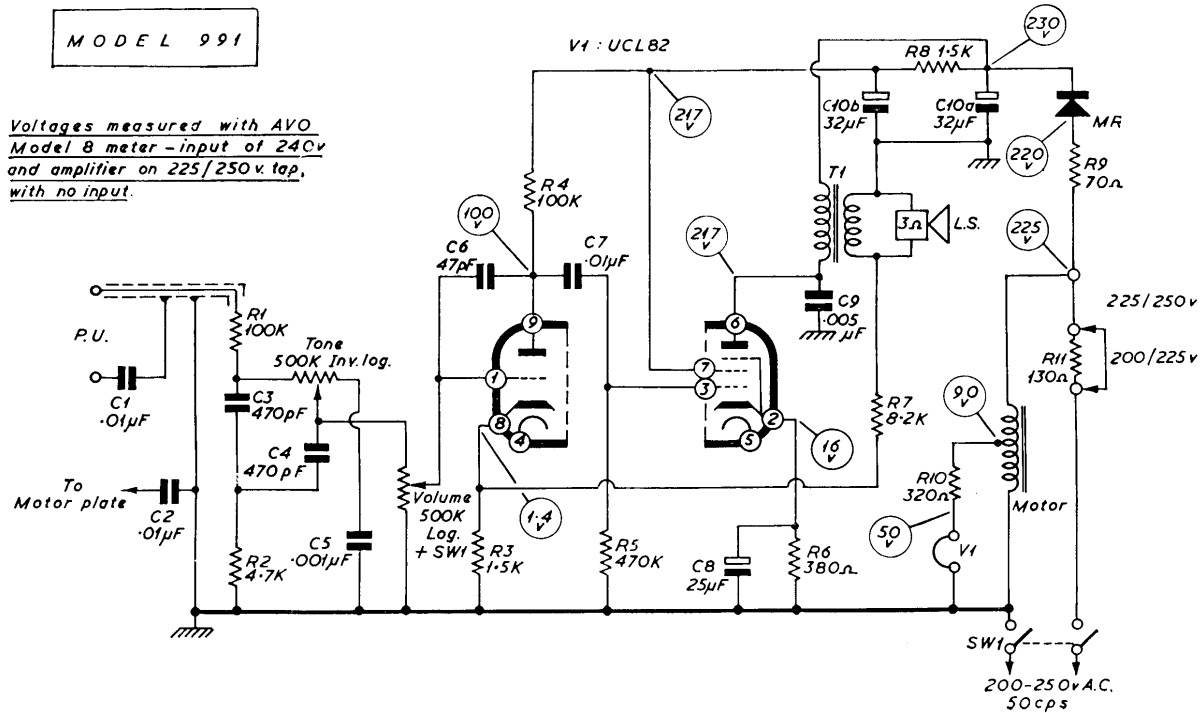
| | | |
|--|-------|-------|
| B.S.R. type UA14 4-speed changer unit | | — |
| OFF/BASS knob | | I2575 |
| TREBLE knob | | I2576 |
| VOLUME knob | | I2577 |
| Treble Control (500K Inv. Log.) | | I2567 |
| Volume Control (500K Log.) | | I2568 |
| Bass Control (50K Log. with D.P. switch) | | I2566 |
| Output Transformer | | I2061 |
| Loudspeakers: 8" x 5" elliptical | | I2028 |
| Electrostatic tweeter | | I2029 |
| Neon Indicator Lamp | | I2071 |
| Rectifier (S.T.C. type C2D) | | I2060 |

CIRCUIT DIAGRAM OF MODEL 990



All voltages taken on 240volt mains supply, using the highest possible ranges of an AVO Model 8 meter, with no signal input

CIRCUIT DIAGRAM OF MODEL 991



DISMANTLING

In all three cases the Amplifier chassis is accessible after the amplifier back-cover (secured by two wood screws) has been removed. To withdraw the amplifier and baffle from the cabinet, proceed as follows, having first removed the amplifier cover:—
Model 990: Pull off the front knob. Slacken 4 B.A. nut adjacent to the Volume Control. Remove 4 B.A. nut at the other end of the baffle. Press on the loudspeaker magnet to push the end of the

baffle forward. Baffle can then be slid sideways to release chassis from wooden fillet.

Models 991 and 996:

Pull off the front knobs. The baffle is held to the cabinet by four wood screws. Remove these, and tilt the baffle forward so that the control spindles clear the holes in the cabinet. The Amplifier and baffle can then be lifted out from the front.

CIRCUIT DIAGRAM OF MODEL 996

